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(71) Applicants (for all designated States except US): ELECTRONICS AND TELECOMMUNICATIONS RESEARCH INSTITUTE [KR/KR]; 161 Gajeong-dong, Yuseong-gu, Daejeon 305-350 (KR). HANYANG UNIVERSITY [KR/KR]; 17 Haengdang-dong, Seongdong-gu, Seoul 133-070 (KR).

(72) Inventors; and

(75) Inventors/Applicants (for US only): KIM, Wook-Joong [KR/KR]; Dreamworld Apt. 101-603, Jangdaes-dong, Yuseong-gu, Daejeon-city, 305-308 (KR). KI, Myung-Seok [KR/KR]; 3011, 146-12 Sinsseong-dong, Yuseong-gu, Daejeon-city 305-804 (KR). KIM, Kyu-Heon [KR/KR]; Saemmeori Apt. 201-904, Dunsan-dong, Seo-gu, Daejeon-city, 302-120 (KR). KIM, Jin-Woong [KR/KR]; Expo Apt. 305-1603, Jeonmin-dong, Yuseong-gu, Daejeon-city, 305-309 (KR). JANG, Euee-Seon [KR/KR]; R & D Bldg. 501, Hanyang Univ., Hangdang1-dong, Seongdong-gu, Seoul, 133-791 (KR). LEE, Sun-Young [KR/KR]; R & D Bldg. 707,

Hanyang Univ., Hangdang1-dong, Seongdong-gu, Seoul 133-791 (KR). OH, Hyun-Jong [KR/KR]; R & D Bldg. 707, Hanyang Univ., Hangdang1-dong, Seongdong-gu, Seoul 133-791 (KR). PARK, Sung-Won [KR/KR]; R & D Bldg. 707, Hanyang Univ., Hangdang1-dong, Seongdong-gu, Seoul 133-071 (KR). WON, Jong-Woo [KR/KR]; R & D Bldg. 707, Hanyang Univ., Hangdang1-dong, Seongdong-gu, Seoul 133-791 (KR).

(74) Agent: YOU ME PATENT AND LAW FIRM; Seolim Bldg., 649-10 Yoksam-dong, Kangnam-ku, Seoul 135-080 (KR).

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(54) Title: SYSTEM AND METHOD FOR ENCODING AND DECODING AN IMAGE USING BITSTREAM MAP AND RECORDING MEDIUM THEREOF

(57) Abstract: Disclosed are a system and method for encoding and decoding an image. The image compression system includes an image segmentation unit (110) for segmenting a first image into a plurality of sub-images; a first encoding unit (120) for encoding the sub-images to output sub-image bitstreams; a BMAP construction unit (130) for calculating the quantity of information of each sub-image bitstream and generating BMAP information using the calculated quantity of information and information on construction of each sub-image; and a bitstream combining unit (150) for combining the sub-image bitstreams and BMAP information.